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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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## Sensor/Actuator cable - SAC-3P- 3,0-PUR/A - 1439544

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Sensor/Actuator cable, 3-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Valve connector A, connected with not available, Cable length: 3 m

### Product Features

- ✓ Easy and safe: 100% electrically tested plug-in components
- ✓ Robust valve connector without protective circuit
- ✓ Our standard: robust halogen-free PUR cable



### Key commercial data

|                                      |           |
|--------------------------------------|-----------|
| Packing unit                         | 1 pc      |
| Weight per Piece (excluding packing) | 120.0 GRM |
| Custom tariff number                 | 85444290  |
| Country of origin                    | Poland    |

### Technical data

#### Dimensions

|                 |     |
|-----------------|-----|
| Length of cable | 3 m |
|-----------------|-----|

#### Ambient conditions

|                                 |                               |
|---------------------------------|-------------------------------|
| Ambient temperature (operation) | -20 °C ... 85 °C (valve plug) |
| Degree of protection            | IP65                          |
|                                 | IP67                          |

#### General

|                       |          |
|-----------------------|----------|
| Rated current at 40°C | 6 A      |
| Rated voltage         | 230 V    |
| Number of positions   | 3        |
| Contact resistance    | ≤ 5 mΩ   |
| Insulation resistance | ≥ 100 MΩ |

## Sensor/Actuator cable - SAC-3P- 3,0-PUR/A - 1439544

### Technical data

#### General

|                              |                               |
|------------------------------|-------------------------------|
| Standards/regulations        | Valve connector EN 175301-803 |
| Status display               | No                            |
| Protective circuit/component | Unwired                       |
| Surge voltage category       | III                           |
| Pollution degree             | 3                             |
| Torque                       | 0.6 Nm (Valve connector)      |

#### Material

|   |                   |
|---|-------------------|
| Inflammability class according to UL 94 | V0                |
| Valve plug contact material             | CuSn              |
| Valve plug contact surface material     | Sn                |
| Valve plug contact insert material      | PA 66             |
| Material housing valve plug             | TPU               |
| Sealing material                        | TPU (Seal molded) |

#### Cable

|   |                                |
|---|--------------------------------|
| Cable type                                  | PUR halogen-free black         |
| Cable type (abbreviation)                   | PUR                            |
| Cable abbreviation                          | Li9Y11Y-HF                     |
| UL AWM style                                | 20549                          |
| Conductor cross section                     | 3x 0.5 mm <sup>2</sup>         |
| AWG signal line                             | 20                             |
| Conductor structure signal line             | 28x 0.15 mm                    |
| Core diameter including insulation          | 1.5 mm ±0.05 mm (signal line)  |
| Wire colors                                 | black 1, black 2, green/yellow |
| Overall twist                               | 3 wires, twisted               |
| External sheath, color                      | black-gray RAL 7021            |
| External cable diameter D                   | 4.5 mm ±0.2 mm                 |
| Smallest bending radius, fixed installation | 22.5 mm                        |
| Number of bending cycles                    | 15000000                       |
| Bending radius                              | 50 mm                          |
| Traversing path                             | 0.9 m                          |
| Traversing rate                             | 5 m/s                          |
| Acceleration                                | 30 m/s <sup>2</sup>            |
| Outer sheath, material                      | PUR                            |
| Material conductor insulation               | PP                             |
| Conductor material                          | Bare Cu litz wires             |
| Insulation resistance                       | min. 20 MΩ*km                  |

## Sensor/Actuator cable - SAC-3P- 3,0-PUR/A - 1439544

### Technical data

#### Cable

|                                 |  |
|---------------------------------|--|
| Conductor resistance            | 39 Ω/km (at 20 °C)   |
| Nominal voltage, cable          | ≤ 300 V  |
| Test voltage, cable             | ≥ 1200 V   |
| Flame resistance                | According to DIN VDE 0482                                  |
|                                 | According to DIN EN 50265-2-1                              |
| Halogen-free                    | in accordance with DIN VDE 0472 part 815                   |
| Other resistance                | Largely oil-resistant                                      |
|                                 | partly UV-resistant in accordance with DIN EN ISO 4892-2-A |
| Ambient temperature (operation) | -40 °C ... 80 °C (cable, fixed installation)               |
|                                 | -20 °C ... 80 °C (cable, flexible installation)            |

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27060306 |
| eCl@ss 4.1 | 27060306 |
| eCl@ss 5.0 | 27061801 |
| eCl@ss 5.1 | 27061801 |
| eCl@ss 6.0 | 27061801 |
| eCl@ss 7.0 | 27061801 |
| eCl@ss 8.0 | 27061801 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001855 |
| ETIM 4.0 | EC001855 |
| ETIM 5.0 | EC001855 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 31251501 |
| UNSPSC 7.0901 | 31251501 |
| UNSPSC 11     | 31251501 |
| UNSPSC 12.01  | 31251501 |
| UNSPSC 13.2   | 31251501 |

### Approvals

#### Approvals

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# Sensor/Actuator cable - SAC-3P- 3,0-PUR/A - 1439544

## Approvals

Approvals

GOST

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Ex Approvals

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Approvals submitted

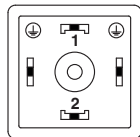
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## Approval details



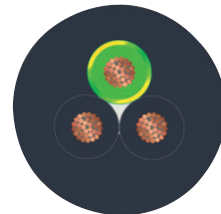
## Drawings

Schematic diagram



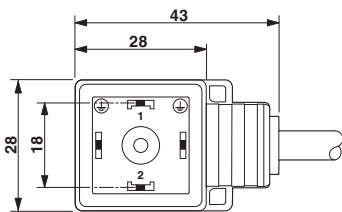
Valve connector pin assignment, type A

Cable cross section



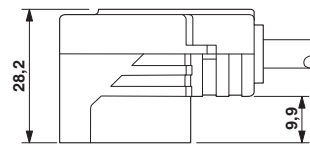
PUR halogen-free black [PUR]

Dimensioned drawing



Valve connector, type A

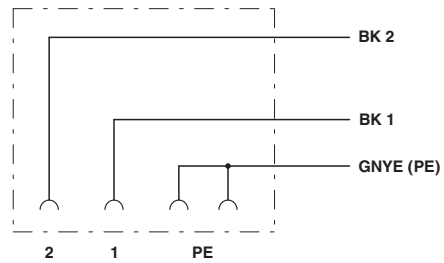
Dimensioned drawing



Valve connector, type A, side view

## Sensor/Actuator cable - SAC-3P- 3,0-PUR/A - 1439544

Circuit diagram



Contact assignment of the valve plug

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